

20000805.qrp v01_n904.qrl.20000805

Date: Sat, 5 Aug 2000 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1904

QRP-L Digest 1904

Topics covered in this issue include:

- 1) [76612] Re: Which travel-friendly transceiver?
by NB6M@aol.com
- 2) [76613] Re: Labelling Radio Chassis?
by JP <jdanter@mail.i-america.net>
- 3) [76614] Re: Labelling Radio Chassis?
by JP <jdanter@mail.i-america.net>
- 4) [76615] Gusher 2B
by Dan Presley <talljazz@teleport.com>
- 5) [76616] qrp-l website
by John Wagner <john@neknetwork.com>
- 6) [76617] Fox Not in NJ
by "Ed Nelson" <edxnelson@home.com>
- 7) [76618] LDG Qrp Auto Antenna Tuner
by "Mark Paley" <mpaley@wcnet.org>
- 8) [76619] Re: Which travel-friendly transceiver?
by "Karl F. Larsen" <k5di@zianet.com>
- 9) [76620] New Fox killer radio?
by Rohn <rohn@pubrats.com>
- 10) [76621] Re: Please 'splain Fox-Hunting
by "Maddog 'n' Miracles" <maddog@io.com>
- 11) [76622] Re: FOX: QSO Patterns
by "Karl F. Larsen" <k5di@zianet.com>
- 12) [76623] Re: New Fox killer radio?
by "Christopher Cox" <cobox@urec.net>
- 13) [76624] Re: New Fox killer radio?
by "George , W5YR" <w5yr@att.net>
- 14) [76625] Re: New Fox killer radio?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 15) [76626] Re: New Fox killer radio?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 16) [76627] FS: K2 Serial number 621
by "Doug Hendricks" <ki6ds@dospalos.org>
- 17) [76628] K1- "weigh-in" - how it stacks up... (longish!)
by Radman <radman@best.com>
- 18) [76629] FOX: QSO Patterns
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 19) [76630] Re: [Elecraft] K1- "weigh-in" - how it stacks up... (longish!)

- by Phil Wheeler <w7ox@earthlink.net>
- 20) [76631] DL QRP'ers in Dusseldorf/Gutersloh
by Michael C Boatright <ko4wx@mindspring.com>
- 21) [76632] Re: N0SS Noise Generator
by "Tony Fishpool" <g4wif@btinternet.com>
- 22) [76633] Need older MFJ tunable DSP filter manual MODEL MFJ-784
by MARTIN J STRATTON <kc2cwn@juno.com>
- 23) [76634] Going ahead formerly were Re: Lew McCoy
by "Donny Sirait" <dsirait@centrin.net.id>
- 24) [76635] Polarity Reversal Protection Device
by Glen Reid <k5fx@flash.net>
- 25) [76636] Re: qrp-l website
by "Manager QRP-L" <manager@astro.cc.lehigh.edu>
- 26) [76637] Re: qrp-l website
by "Manager QRP-L" <manager@astro.cc.lehigh.edu>
- 27) [76638] Hearing weak sigs thru the noise
by Lee Hopper <leehop@uswest.net>
- 28) [76639] Which travel-friendly transceiver?
by "Charles Mabbott" <crmabbott@mediaone.net>
- 29) [76640] Fox Log
by Dan Wolfe <n4roa@mounet.com>
- 30) [76641] True Portable HF
by ARDUJENSKI@aol.com
- 31) [76642] Re: True Portable HF
by Randy & Cara Randall <crrandal@seidata.com>
- 32) [76643] Re: Going ahead formerly were Re: Lew McCoy
by Russ Dow <n7dw@garlic.com>
- 33) [76644] Re: True Portable HF
by Steve Yates <aa5tb@yahoo.com>
- 34) [76645] Re: N0SS Noise Generator
by GElam30092@aol.com
- 35) [76646] Batteries Indoors
by AA3BP@aol.com
- 36) [76647] Re: True Portable HF
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 37) [76648] Re: Polarity Reversal Protection Device
by Glen Reid <k5fx@flash.net>
- 38) [76649] [Fwd: Which travel-friendly transceiver?]
by "Walter D. Amos" <waltk8cv@surfree.com>
- 39) [76650] Re: Direct Conversion Receivers
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 40) [76651] for sale
by M Goins <mgoins@usa.net>
- 41) [76652] Bee: A Sierra in the Sierra
by Bruce Grubbs <n7ceeqrp@earthlink.net>
- 42) [76653] Re: Direct Conversion Receivers
by NB6M@aol.com
- 43) [76654] [Operating]Hearing weak sigs thru the noise

by "James R. Duffey" <jamesd1@flash.net>
44) [76655] How to pack mobile antenna
by Duane Alles <w9zm@yahoo.com>
45) [76656] RE: How to pack mobile antenna
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
46) [76657] DELAWARE --- ARCI Summer Daze SSB Sprint
by WB3LGC@aol.com
47) [76658] Re: True Portable HF
by "W7TRX" <w7trx@mindspring.com>
48) [76659] [Pwr] Batteries Indoors
by "James R. Duffey" <jamesd1@flash.net>
49) [76660] RE: Batteries Indoors
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
50) [76661] PNP Blue PCB film
by James Skalski <jskalski@localnet.com>
51) [76662] 2n40 pcb layout?
by James Skalski <jskalski@localnet.com>
52) [76663] Re: Hearing weak sigs thru the noise
by Pete Burbank <plburbank@kih.net>
53) [76664] Re: Batteries Indoors
by ac5ez@webtv.net (K1zw)
54) [76665] Re: Batteries Indoors
by Tom M <tjmc@erols.com>
55) [76666] Re: How to pack mobile antenna
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
56) [76667] Re: How to pack mobile antenna
by NB6M@aol.com
57) [76668] Argonaut Power Increase
by "Karl F. Larsen" <k5di@zianet.com>
58) [76669] Re: Batteries Indoors
by david fouchey <dafouchey@home.com>
59) [76670] QRP Plus for sale
by Jeff <fantbb@yahoo.com>
60) [76671] Re: How to Pack a Mobile Antenna
by DYARNES@aol.com
61) [76672] Future ham from Venezuela.
by "Christian Castillo" <chcastillo@planetarymotion.net>
62) [76673] FOX: Big Dawgs Overtaken!
by "Marshall Emm" <mgemm@mtechnologies.com>
63) [76674] RE: Future ham from Venezuela.
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
64) [76675] RE: CW speed and plateaus
by zmola@campbellsci.com
65) [76676] Re: CW speed and plateaus
by "Mike Yetsko" <myetsko@insydesw.com>
66) [76677] BUBBA 2000
by Bob Hightower <nk7m@extremezone.com>
67) [76678] BUBBA 2000

- by Bob Hightower <nk7m@extremezone.com>
68) [76679] PC based Oscilloscope, Spectrum Analyzer and Waterfall
by "Randall" <Firefox@Southwind.net>
69) [76680] Stan Yarema, K7SY
by "Robert Farnworth" <farnworth@citylinq.com>
70) [76681] Re: BUBBA 2000
by "Scott Hotchkiss" <w4pj@bellsouth.net>
71) [76682] N0SS Noise Generator - Overseas orders
by Bob Hightower <nk7m@extremezone.com>
72) [76683] Re: How to pack mobile antenna
by "Karl F. Larsen" <k5di@zianet.com>
73) [76684] Re: How to pack mobile antenna
by Sachsarch@aol.com

Date: Fri, 4 Aug 2000 19:38:43 EDT
From: NB6M@aol.com
To: k5di@zianet.com
Cc: qrp-1@lehigh.edu, qrpfree@listbot.com
Subject: [76612] Re: Which travel-friendly transceiver?
Message-ID: <7c.92fb4e1.26bcae03@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Somehow I didn't receive Jay's (W6CJ) original post about a Travel Friendly Transceiver.

I have a NorCal 20, and like it very much. It is a very nice little rig. However, for backpacking and trail use, it may draw more current, both on receive and on transmit with the 5 Watt output than one might want to have to supply. Great little rig for RV camping, though.

I have an SW40 and an SW20+ and an SW30+ that I have put into small cases that I have made from single sided PC board material. The SW40 and SW20+ are in one box with a Tick keyer and a cw frequency annunciator, making a nice two-band rig.

There is a complete construction article on the two band rig coming up soon in QRPP, the NorCal QRP Club quarterly.

The single sided PC board material is very easy to work with in terms of cutting, shaping and drilling, and both forms shielding around the rig and makes a good looking case as well. With the corners rounded and edges smoothed with a file, it goes in a suitcase or backpack very nicely.

Wayne NB6M

Date: Fri, 04 Aug 2000 19:55:45 -0400
From: JP <jdanter@mail.i-america.net>
To: qrp-1@Lehigh.EDU
Subject: [76613] Re: Labelling Radio Chassis?
Message-ID: <398B5801.AC77DB3@mail.i-america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jay,

www.fouraker.com/DATAK.html
for dry xfers and DATAKOAT spray sealant.

KF4VOP
J.D.

Date: Fri, 04 Aug 2000 19:58:32 -0400
From: JP <jdanter@mail.i-america.net>
To: qrp-1@Lehigh.EDU
Subject: [76614] Re: Labelling Radio Chassis?
Message-ID: <398B58A8.DDF97832@mail.i-america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

www.philmore-datak.com/datak.htm

Date: Fri, 4 Aug 2000 17:09:08 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-1@LeHigh.edu
Subject: [76615] Gusher 2B
Message-ID: <v03007849b5b104e65e84@[216.26.5.38]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just thought I'd pass on my review of the Gusher '2B' antenna from Joe Everhart, N2CX. I Used it on a recent vacation in the Oregon woods, and on my Bumblebee stint. I already have a '2L', which I really like, so I'm

familiar with the basic idea-with the 2B you choose which 2 bands you want the elements cut for, and mount accordingly. I chose 40 & 20. It's a dipole/inverted vee fed w/RG 174. I used my DK9 mast to get it up about 30 ft. A previous posting on this antenna noted a high swr for the 20M element, but mine was never more than 2:1, which isn't a bad match even at qrp levels. The 40M element was right about 1.5:1 at 7040. I worked almost everything I heard (highly unscientific!) including a number of dx stations on 20 at 5W with the K2. With precut elements, you don't need to pack a tuner, either.

I highly recommend these simple antennas for portable work-very rugged and lightweight and effective especially in an inverted vee configuration. The whole antenna fits in a ziploc bag, and Joe's documentation is first class. Makes portable qrp fun and easy.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Fri, 04 Aug 2000 20:14:20 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [76616] qrp-l website
Message-ID: <398B5C5C.9CA571C8@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I'm happy to report that I've started on the official QRP-L website. You can see how it looks so far at:

<http://qrp.lehigh.edu/lists/qrp-l/>

You might note that some of the links aren't there yet, give it time. The look is very basic - I subscribe to the KISS principal for websites.

I realize there are a lot of QRP related websites out there. My goal is to add value and function to the QRP-L by providing information about the list and links to all the great QRP sites out there. However, I would like the site to be an avenue for list members to publish articles of interest to QRPer's. I will have some submission guidelines up shortly.

The essential list commands are here:
<http://qrp.lehigh.edu/lists/qrp-l/join.html>

The FAQ will follow soon, I hope.

Finally, this is our site, the members of the list. Together we can all add a lot of value to this wonderful list. I'm looking forward to watching the site grow in content and value for all of us.

73,

John, KB1ENS
QRP-L WebMaster

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John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Thu, 3 Aug 2000 22:38:53 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [76617] Fox Not in NJ
Message-ID: <02a701bffd9d\$21cea3e0\$2c490b18@prntn1.nj.home.com>

Fox is very very light in NJ tonight. Can hear him in there from time to time, but just.
Ed W4EN

Date: Fri, 4 Aug 2000 20:11:16 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "Elecraft Reflector" <elecraft@qth.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [76618] LDG Qrp Auto Antenna Tuner
Message-ID: <007301bffe8a\$d2db69c0\$60ac85cd@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am selling my LDG Electronics QRP auto antenna tuner. I bought it last year assembled and tested from LDG. The first \$90 takes it. It is in as new (mint) condition. Will ship CONUS. I am selling it because I just built the new Z-11 model and don't need two tuners.

Mark Paley--KF8KL--

K2 #250

mpaley@wcnet.org

<http://www.wcnet.org/~mpaley>

Date: Fri, 4 Aug 2000 18:46:45 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: NB6M@aol.com
Cc: qrp-l@Lehigh.EDU, qrpfree@listbot.com
Subject: [76619] Re: Which travel-friendly transceiver?
Message-ID: <Pine.LNX.4.10.10008041843320.748-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Well I sent him to www.redhotradio.com and find they are closed until fall. So your advice might be better for immediate purchase. I have traveled with my Kenwood TS-50 with a cw filter costing more than the norcal 20 but it sure is better based on a spectrum check I ran today...:-)

On Fri, 4 Aug 2000 NB6M@aol.com wrote:

> Somehow I didn't receive Jay's (W6CJ) original post about a Travel Friendly
> Transceiver.
>
> I have a NorCal 20, and like it very much. It is a very nice little rig.
> However, for backpacking and trail use, it may draw more current, both on
> receive and on transmit with the 5 Watt output than one might want to have to
> supply. Great little rig for RV camping, though.
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> I have an SW40 and an SW20+ and an SW30+ that I have put into small cases
> that I have made from single sided PC board material. The SW40 and SW20+ are
> in one box with a Tick keyer and a cw frequency annunciator, making a nice
> two-band rig.
>
> There is a complete construction article on the two band rig coming up soon
> in QRPP, the NorCal QRP Club quarterly.
>
> The single sided PC board material is very easy to work with in terms of
> cutting, shaping and drilling, and both forms shielding around the rig and

> makes a good looking case as well. With the corners rounded and edges
> smoothed with a file, it goes in a suitcase or backpack very nicely.
>
> 72
>
> Wayne NB6M
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 4 Aug 2000 19:00:06 -0500 (CDT)
From: Rohn <rohn@pubrats.com>
To: qrp-l@lehigh.edu
Subject: [76620] New Fox killer radio?
Message-ID: <Pine.LNX.3.96.1000804185555.23787A-1000000@tavern.pubrats.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My apologies up front - I don't know how well I'm going to explain this.

1. I've got one of SWL's PSK-20 radios (very pleased with it, I might add).
2. I used CWGET (think DigiPan but for Morse) on my laptop to "watch" the first 20m Fox hunt.

Then I got to thinking... Wouldn't it be possible to marry the two for a 40m Fox Killer rig?

I'm thinking of a very wideband 40m transceiver. Not necessarily any front panel controls, much like Dave's PSK rig. Everything is software controlled from the PC. Click on a receive signal (which you can see, and is likely the fox's listening freq). Click on a transmit frequency (near the hounds, but slightly in the clear).

I'm open to corrections of any misunderstandings I have, but can't you just 'inject' a tone into an SSB signal to essentially do the same thing as a CW signal? So then the PC would react much like it does for PSK31, but appropriately for sending Morse code. The tone of the signal would reflect where you've clicked your transmit frequency to be.

This would obviously lend itself well for keyboard CW, but using a second serial port (the first would be used to PTT the radio) you could use a paddle instead of the keyboard. (Or perhaps this would be a good project to

also initiate the use of USB, and plug everything through that? One cable connecting the PC and radio.)

Since we're writing the software too, we could take it a large step forward on the receive side... there would be a whole mess of CW signals coming in on that really wide receiver. What about using some DSP in the PC to only allow the selected (from the click for receive freq) CW signal to output through the computer's speakers? You'd still see the panorama display of hounds, but hear only the fox.

Any thoughts or suggestions? ...or Club interest? ;-)

73 de Rohn, KR0HN
Mpls, MN

Date: Fri, 04 Aug 2000 20:03:56 -0500
From: "Maddog 'n' Miracles" <maddog@io.com>
To: qrp-l@Lehigh.edu
Subject: [76621] Re: Please 'splain Fox-Hunting
Message-ID: <4.3.2.7.1.20000804194811.00c5bb20@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Again!

I got about 15 responses to my query about Fox-Hunting. All of them were great, really! Thanks!

About 5 responses were just to tell me what the contest URL was, and I appreciate that greatly.

There were about 10 responses with personal experiences and encouragement, but only 3 of those showed up on the list, and the rest were private replies to me. Naturally, I won't post them here, but it sure would have been nice for all the other (anonymous) curious readers to see those replies. I wonder if this happens with all the threads? Folks, let's share with everybody... I read lot's of homebrewing threads with great interest, even though I don't initiate or participate very often. I wonder what jewels I am missing because so many are posting private replies?

Also, please don't request private replies when it's a general-interest QRP query. I'm always disappointed when somebody asks a question I hadn't thought of and then requests private replies.

By the way, I'm going to be participating in Fox hunting now as a result of

72,
monty N5FC

```

*****\
* Monty Northrup (N5FC) * "There is no way to peace: * \ (**)
* Carolyn Blankenship * peace IS the way." * /^^^^^^) ~
* maddog@io.com * http://www.io.com/~maddog/ * /^/^/^/^/\
*****

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On Fri, 4 Aug 2000, Marshall Emm wrote:

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> Swamp Rat Doc said--
>
> >>...after the first hour the band changes and the QSO rate
> falls off dramatically.  Sems to have happened to absolutely every hunt
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> thus far. Nuts. But at least we are all sort of in the same boat.<<
>
> I'd agree on the boat part, but I don't think the band is changing on the hour.
> I think the big signals tend to get worked first, then the medium signals, so

snip

> 40M doublet (which in fact I have not yet used for a summer fox). The other
> hounds in the 8/8 class are scattered all over the country, and one of them has
> bagged every fox from his car!
>
> So as a propagation study (one of the avowed purposes) the Summer Fox Hunt is
> interesting, but I'm not entirely sure what it is telling us.

I'm not sure either but as a hound in NM who has heard every fox so far with true good signals, I think it proves what we all know, that 20 meters is a very special band. I was not surprised to hear the East coast well. But it was bazzar to hear Colorado loud and Texas even louder!

I recall many years ago we had a guy from Santa Fe come down to my place at White Sands for 2 weeks Army summer training. We were about 250 miles apart and this guy would go out at lunch and start his Volkswagon beatle and call his wife on 20 cw. They talked for 20 minutes and her signal was LOUD! Every day for 2 weeks.

We all think of 20 meters as a DX band. Expect to hear DX and not short skip. But they both exist under general conditions.

As for mobile operation both Tim K50I and myself use the Ham Stik 20 meter antenna and it works far better than many seem to think. You need to tune this antenna with a noise bridge. I got one pelt mobile and that was an experiance driving down the road. No surprise to me someone worked all the fox's mobile.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 4 Aug 2000 21:55:10 -0400
From: "Christopher Cox" <cobox@urec.net>
To: <rohn@pubrats.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [76623] Re: New Fox killer radio?
Message-ID: <200008042146578.SM00200@CBX-NT>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

> From: Rohn <rohn@pubrats.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: New Fox killer radio?
> Date: Friday, August 04, 2000 8:00 PM
>
> My apologies up front - I don't know how well I'm going to explain this.
>
> 1. I've got one of SWL's PSK-20 radios (very pleased with it, I might
add).
> 2. I used CWGET (think DigiPan but for Morse) on my laptop to "watch" the
> first 20m Fox hunt.
>
> Then I got to thinking... Wouldn't it be possible to marry the two for a
> 40m Fox Killer rig?

I tried this with a Fast Fourier Waterfall display hooked up to the
broadest receiver I had around the shack, the MRX40. I saw no less than 15
CW QSO's (some you could not even hear) 2 RTTY's and I think a PSK31
signal. Theoretically you could use your sound board into a SSB Xmtr and
work them all at the same time.

I thought to myself, "we are doing this all wrong....." :-)

Christopher Cox
KC8FRJ

Date: Fri, 04 Aug 2000 21:01:13 -0500
From: "George , W5YR" <w5yr@att.net>
To: cobox@urec.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [76624] Re: New Fox killer radio?
Message-ID: <398B7569.E75F92BB@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I hate to be giving away trade secrets, but I operate Fox hunts (and all
cw) with a waterfall display. It is a super way to keep up with all the

signals by seeing what actual audio frequencies are involved. It is almost a piece of cake to tune the Fox to 700 Hz (my personal offset) and then to look at a 1000Hz bandwidth centered on 700 Hz. You can immediately spot a Hound response and then position yourself accordingly for the next Fox call. Also you can see where the Hounds have bunched up and avoid their QRM.

George, W5YR

Christopher Cox wrote:

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>
> -----
> > From: Rohn <rohn@pubrats.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Subject: New Fox killer radio?
> > Date: Friday, August 04, 2000 8:00 PM
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> signal. Theoretically you could use your sound board into a SSB Xmtr and
> work them all at the same time.
>
> I thought to myself, "we are doing this all wrong....." :-)
```

>
> Christopher Cox
> KC8FRJ
>
>

--

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: Fri, 04 Aug 2000 22:11:43 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1@lehigh.edu
Subject: [76625] Re: New Fox killer radio?
Message-ID: <3.0.6.32.20000804221143.00799b30@vmsoap.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:00 PM 8/4/00 -0500, you wrote:

>Then I got to thinking... Wouldn't it be possible to marry the two for a
>40m Fox Killer rig?
>
>I'm thinking of a very wideband 40m transceiver. Not necessarily any front
>panel controls, much like Dave's PSK rig. Everything is software controlled
>from the PC. Click on a receive signal (which you can see, and is likely
>the fox's listening freq). Click on a transmit frequency (near the hounds,
>but slightly in the clear).
>
>I'm open to corrections of any misunderstandings I have, but can't you just
>'inject' a tone into an SSB signal to essentially do the same thing as a CW
>signal?

Rohn,

Yep. As long as the tone is a clean sine wave. For that matter, the PSK31 radio would probably do just fine if I understand its operation correctly.

> So then the PC would react much like it does for PSK31, but
>appropriately for sending Morse code. The tone of the signal would reflect
>where you've clicked your transmit frequency to be.

I think its an excellent idea!

>This would obviously lend itself well for keyboard CW, but using a second
>serial port (the first would be used to PTT the radio) you could use a
>paddle instead of the keyboard.

If the radio has a VOX, you won't even need that. First tone into the transmitter would key it. (Although most VOXen would probably clip the first element - You're probably on the right track with a PTT.)

> (Or perhaps this would be a good project to
>also initiate the use of USB, and plug everything through that? One cable
>connecting the PC and radio.)

USB isn't as simple as it seems - it'd require an intelligent radio. If we're talking about the typical Sound Blaster audio card, you could use one output channel for transmit tone, the other output channel to key the transmitter

(instead of a serial port handshake line) by sending a continuous tone during transmit, and an audio input channel for receive.

>Since we're writing the software too, we could take it a large step
>forward on the receive side... there would be a whole mess of CW signals
>coming in on that really wide receiver. What about using some DSP in the
>PC to only allow the selected (from the click for receive freq) CW signal
>to output through the computer's speakers? You'd still see the panorama
>display of hounds, but hear only the fox.

I remember trying a program - maybe it was even CWGET - that you could tailor the playback of the received signal to restrict the passband. (Maybe it's Spectrogram I'm thinking of.)

>Any thoughts or suggestions? ...or Club interest? ;-)

I guess my main concern would be the timeliness of executing all this in a Windows environment. Periodically Windows decides to do something more important than run your programs - rearrange memory or something - so you might get little dropouts now & then. (Or maybe it's just my old slow computer.)

Other than that, I think it's an excellent idea! A nice wide receiver would let you see 5 kHz of spectrum at once, and if you can re-map the audio passband on the fly, you could either click on a desired frequency to listen to it or drag the position -and- width of the passband around (so you could hear the whole crowd).

In thnking about it, the Windows environment should be fine. If Digipan can keep up under Windows, a Morse program should do just as well.

Dave

Date: Fri, 04 Aug 2000 22:46:34 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l@lehigh.edu
Subject: [76626] Re: New Fox killer radio?
Message-ID: <3.0.6.32.20000804224634.007a06b0@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:18 PM 8/4/00 -0400, you wrote:

>Then some network driver people discovered the 'set
>critical' parameter and THEY tried to grab it for the sole
>purpose of making their network 'appear' faster to make
>up for poor programming in the first place, so sometimes

>it's not as simple to use as it sounds.

Mike,

Tell me about it! (sorry - I shouldn't be so cynical. I do embedded programming for a living, so I get a little cranky when I start thinking about programming in a Windows environment. If one more vendor recommends Windows CE to me, I'm going to hurt someone...)

>It's not too bad with recent machines. They actually run
>timers MUCH faster, and generate a virtual tick at 55msec.
>And with sound cards, they have their own timing, so it's
>not really an issue. If you build packets and then 'pump'
>them to the sound card, the sound card will do the timing,
>as long as you 'keep ahead' of it.

Sure - keep the queue full, and you'll be okay. I was actually thinking about polling the paddles when I mentioned the concern about timeliness.

>As to keying or other input/output sense and control, I'd use
>the parallel port. Tough to beat, it's DESIGNED to do that.
>And now with most of the printers coming USB, it's easy to
>just move your printer over with a different cable. Heck,
>even if your printer DOESN'T have USB,. a USB to LPT
>cable is about \$40.

But can you actually fiddle the handshake lines on a USB printer port? I'm not above abusing hardware, but I'm not familiar with the capabilities of ports at the end of USB lines.

You do bring up some interesting ideas, though.

You know, one other thing comes to mind while we're discussing this... as long as we're throwing CPU cycles around, we could make the radio portion of this system the front-end of a phasing receiver / exciter, and do the audio phase shifting in DSP code. It'd make the radio downright simple - no crystal filters, etc. And if we use the Tayloe mixer, even the quadrature mixers are cheap.

What do you say Dan? You want in on this? (Grin)

Dave

Date: Fri, 4 Aug 2000 20:20:09 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>

To: <qrp-1@lehigh.edu>
Subject: [76627] FS: K2 Serial number 621
Message-ID: <038e01bffe8c\$0fba3000\$36bdc03f@DougHendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My K2 is for sale, it is in excellent condition, and has the following options:

SSB Option, in original packing, not built or installed.
Battery holder and 2.9 AH internal battery.

The present cost of a K2 kit is \$579, with each of the above options at \$79. Total cost would be \$737. I will sell my K2 for \$650 plus shipping to the first guy who contacts me at 209-392-3522.

The reason I am selling is that I never use the rig, and plan on buying another rig. 72, Doug, KI6DS

Date: Fri, 4 Aug 2000 19:38:20 -0700
From: Radman <radman@best.com>
To: "'elecra@qth.net'" <elecra@qth.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [76628] K1- "weigh-in" - how it stacks up... (longish!)
Message-ID: <01BFFE4B.8ECA7B20@radman.vip.best.com>

Gang,

I was able to meet-up with Wayne & his K1 for lunch today and brought along my digital scales for a K1 "weigh-in." There was one surprise in store - Elecraft's changed the internal speaker in the K1 to a lighter-weight/compact design. I actually liked the sound of it better than the previously-tested K2 speaker. Don't worry, if you want to really blast an external speaker that beefy AF strip remains unchanged and the K1 still has serious AF mojo! Weights following are in US pounds. So, here's how the K1 and related accessories weigh-up - you metric types will have to run your own conversions -- it's been a long day at the office ;)

K1: 1.44 lb.
KAT1: 0.11 lb.
KTS1: 0.30 lb.
NB: 0.08 lb. (my estimate)

Total: 1.93 lb.

You can lighten the K1 by removing the internal speaker. That will shave off: 0.14 pounds, bringing the total package down to: 1.79 lb - then you can ADD a pack of 8-AAA alkaline batts internally (weight = 0.19 lb) to bring the package weight to 1.98 lb. Pretty amazing for a 2-bander with internal battery, NB, ATU and tilt stand, eh? Yes, the AAA pack won't last as long as some would like, so you might want to play around with battery weights and the numbers above. It'll give ya something to scheme on while Elecraft gets this rig ready to Field Test ;)

Notes:

Stock K1 -- fully assembled with 'new' speaker = 1.44 pounds.
(weight includes one band-filter board, but no NB, KAT1 or int batt.)

I saw the fully-completed KAT1 ATU - ultra-cool but not yet ready for a test debut. It's a cute little single board - looks roughly like half of a KAT2. The weight of 0.11 pounds is amazing!

The KTS1 Tilt Stand (with all parts) weighs: 0.30 pounds.
The NB and internal Elecraft gel batt were not available for weigh-in.

Here are some reference alkaline battery weights for 12VDC packs:

8 - AA alkaline batts = 12VDC = 0.35 lb. (probably not room internally)
8 - AAA alkaline batts = 12VDC = 0.19 lb. (certainly room for these)

Some folks might want to explore NiMh packs or even LiOn packs to drive the weight down and the energy mass up.

Oh, an SST weighs 0.48 lb. So two bands via SST will weigh 0.96 lb. But one needs to factor in the ATU and the battery weight in the final equation.

There! That's enough weighty material for one nite ;)

Have fun es 73,

Conrad Weiss - NN6CW

Date: Fri, 4 Aug 2000 23:36:54 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:mgemm@mtechnologies.com" <mgemm@mtechnologies.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group

<QRP-L@Lehigh.edu>
Subject: [76629] FOX: QSO Patterns
Message-ID: <200008042336_MC2-AEAD-806A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Marshall and Gang:

You may well be right about this--that the FOX is simply working a lot of the hunters quickly, and then the hunt slows down. But it still seems to me that conditions have changed in absolutely every summer hunt.....while in the 40 Metre hunt it is common to have the band open and hunters solid for the entire 120 minutes. =

Another subjective difference is that during and after *each* summer hunt there have been reports from the field, saying they don't hear the FOX, hear only a few hunters, hear nothing at all, etc. This seems to point to skip as more of a factor on 20 than 40. Whatever, it is an interesting event, and I am glad we have done it. =

Thanks one and all for your contributions to make this event possible. And just think--there are lots of FOXes to go, including the double hunts at the end of the season. Don't miss a hunt :-) .

72/73,
--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Fri, 04 Aug 2000 22:18:55 -0700
From: Phil Wheeler <w7ox@earthlink.net>

To: Radman <radman@best.com>
Cc: "'elecrafft@qth.net'" <elecrafft@qth.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [76630] Re: [Elecrafft] K1- "weigh-in" - how it stacks up... (longish!)
Message-ID: <398BA3BF.C9698629@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Conrad. The K1 sounds to be all I hoped it would be. Some comments below.

Radman wrote:

>
> Gang,
>
> I was able to meet-up with Wayne & his K1 for lunch today and brought along
> my digital scales for a K1 "weigh-in." There was one surprise in store -
> Elecrafft's changed the internal speaker in the K1 to a
> lighter-weight/compact design. I actually liked the sound of it better than
> the previously-tested K2 speaker. Don't worry, if you want to really blast
> an external speaker that beefy AF strip remains unchanged and the K1 still
> has serious AF mojo! Weights following are in US pounds. So, here's how the
> K1 and related accessories weigh-up - you metric types will have to run
> your own conversions -- it's been a long day at the office ;)
>
> K1: 1.44 lb.
> KAT1: 0.11 lb.
> KTS1: 0.30 lb.
> NB: 0.08 lb. (my estimate)
>
> Total: 1.93 lb.
>
> You can lighten the K1 by removing the internal speaker. That will shave
> off: 0.14 pounds, bringing the total package down to: 1.79 lb - then you
> can ADD a pack of 8-AAA alkaline batts internally (weight = 0.19 lb) to
> bring the package weight to 1.98 lb. Pretty amazing for a 2-bander with
> internal battery, NB, ATU and tilt stand, eh? Yes, the AAA pack won't last
> as long as some would like, so you might want to play around with battery
> weights and the numbers above. It'll give ya something to scheme on while
> Elecrafft gets this rig ready to Field Test ;)
>

I like to use my external 10 AA pack (from an old Icom 02AT HT). A bit heavy, but last a good while. Gives abt 15 volts BOL, which most rigs can handle. If not, I just reverse on of the bateries.

>
> Oh, an SST weighs 0.48 lb. So two bands via SST will weigh 0.96 lb. But one

> needs to factor in the ATU and the battery weight in the final equation.
>

Plus the KC-1, which is in both my SSTs

Phil

Date: Sat, 05 Aug 2000 01:43:01 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [76631] DL QRP'ers in Dusseldorf/Gutersloh
Message-ID: <398BA965.CA69CDA7@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Headed to DL later this month on business. Any QRP'ers in either Dusseldorf or Gutersloh? Anyone have any info on reciprocal (?) licensing as a /DL?

72 de Mike, K04WX

--
Mike Boatright, K04WX
Assistant Section Emergency Coordinator,
GA Section Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sat, 5 Aug 2000 07:03:32 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [76632] Re: N0SS Noise Generator
Message-ID: <003701bffe2\$e405b6c0\$41c201d5@p200>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Do the ScQRPions have a website that features this project?

72/3

Tony - G4WIF

----- Original Message -----

From: "Brian Kassel" <bkassel@dancris.com>

> Gangue:

>

> One more comment on the Noise Generator kit being sold by the AZ

> ScQRPions, of which I am a member. The \$10 cost includes a huge

> document package.

<snip>

Date: Fri, 4 Aug 2000 02:10:12 -0400

From: MARTIN J STRATTON <kc2cwn@juno.com>

To: qrp-1@lehigh.edu

Subject: [76633] Need older MFJ tunable DSP filter manual MODEL MFJ-784

Message-ID: <20000804.021014.8534.1.kc2cwn@juno.com>

Already contacted MFJ ,

The newer manual does not explain the JMP settings in the older MFJ-784
DSP filter.

73 ES CUL DE Marty kc2cwn

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 5 Aug 2000 00:02:38 +0700

From: "Donny Sirait" <dsirait@centrin.net.id>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [76634] Going ahead formerly were Re: Lew McCoy

Message-ID: <000001bffeecd\$431eb560\$b3ee92ca@donnysirait>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ed Hare W1RFI wrote:

> When it is over for each of us, we will have accomplished our life's work.
> Others will assuredly follow and continue the climb.

True as long as we pass on the real ham values written by Paul M Segal W8EEA

The radio amateur is
Considerate
Loyal
Progressive
Freindly
Balanced and
Patriotic

Very often we are not giving good examples to fresh hams
being considerate and especially friendly.

Therefore why not let us make this world a better place
than before.

My humble 73
de YB1BOD Donny Sirait
Bekasi Indonesia

Date: Sat, 05 Aug 2000 08:36:48 -0500
From: Glen Reid <k5fx@flash.net>
To: AQR P List <AQR P@onelist.com>, HQRP List <hqrp@stevens.com>, QRP-l <qrp-l@lehigh.edu>
Subject: [76635] Polarity Reversal Protection Device
Message-ID: <398C186F.4C52FC06@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The information below regarding the "transorb" polarity protection device used in land mobile radios, comes from the LMR mail list. I thought it might be of interest to the "polarity challenged" among us.

"A transorb acts like a diode in one direction and like a 16 volt zener in the other direction. Protects the radio coming and going...ECG has a generic in their catalog...There are two different sizes, a 600 watt

generic part number:P6KE20A, and a 1500 watt generic number 1-5KE20A. We always order them generic...due to major cost difference...I think we have purchased them in the past from Richardson Electronics.
www.rell.com"

I never used a transorb but at \$.60 each for the low power they seem like a good idea.

I found them at:

<http://catalog.rell.com/rellecom/scripts/SkuPage.asp?SKU=18372>

73

gr

--

GLEN REID

...in the beautiful hill country of TEXAS...

Email: k5fx@arrl.net

"The difference between genius and stupidity is that genius has its limits"

Date: Sat, 5 Aug 2000 08:06:34 -0500

From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>

To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [76636] Re: qrp-l website

Message-ID: <08a101bffee0\$b04e15a0\$0200000a@mcg.net>

Super, Jim told me he gave you the info but it's kind of different or something. I haven't looked yet and I've got to get out the door to a meeting. I have a look later today and then I need to discuss the rules FAQ and send you some stuff.

73 de Cla KA0GKC

----- Original Message -----

From: "John Wagner" <john@neknetwork.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 04, 2000 19:14 PM

Subject: qrp-l website

| Gang,

| I'm happy to report that I've started on the official QRP-L website. You
| can see how it looks so far at:

| <http://qrp.lehigh.edu/lists/qrp-l/>

| You might note that some of the links aren't there yet, give it time.
| The look is very basic - I subscribe to the KISS principal for websites.

| I realize there are a lot of QRP related websites out there. My goal is
| to add value and function to the QRP-L by providing information about
| the list and links to all the great QRP sites out there. However, I
| would like the site to be an avenue for list members to publish articles
| of interest to QRPers. I will have some submission guidelines up
| shortly.

| The essential list commands are here:
| <http://qrp.lehigh.edu/lists/qrp-l/join.html>

| The FAQ will follow soon, I hope.

| Finally, this is our site, the members of the list. Together we can all
| add a lot of value to this wonderful list. I'm looking forward to
| watching the site grow in content and value for all of us.

| 73,

| John, KB1ENS
| QRP-L WebMaster

| --

| John Wagner - john@neknetwork.com
| Web page: <http://www.neknetwork.com>
| Personal Web page: <http://www.together.net/~jwag>

Date: Sat, 5 Aug 2000 08:56:05 -0500
From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [76637] Re: qrp-l website
Message-ID: <08d601bffee4\$e7e97aa0\$0200000a@mcg.net>

Oops, that was suppose to go to John privately. See I make mistakes too!
Especially when I'm in a hurry gotta go!

Date: Sat, 05 Aug 2000 07:12:44 -0700
From: Lee Hopper <leehop@uswest.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [76638] Hearing weak sigs thru the noise
Message-ID: <398C20DC.DE6796E7@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The short version: how do the more experienced ops hear weak sigs thru the noise?

The background: worked the fox (N4ROA - thanks for digging me out, Dan) near the end of his run. He was just above and in the noise - really tough to hear him. I kept looking for a control on the K2 that I had forgotten to adjust - tried all the filters - loud & soft, etc. Nothing worked. There's a limit to how much I am willing to increase the volume in a case like this - it just hurts my ears!

Any comments welcome.

Lee Hopper, KD7CTF
Portland, OR
K2 #784 QRP-L #1694

Date: Sat, 5 Aug 2000 11:08:05 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [76639] Which travel-friendly transceiver?
Message-ID: <000501bffffeeef56a01e0\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Surprised no one mentioned a non-kit radio, so here goes.

I would give my highest recommendation to SGC's SG 2020.
4.5 lbs. 160 to 10 meter CW, SSB, with full range receive.
Small key, paddles, plug very nicely in with 1/8" plug.

Has plug for speaker/ headphones, but don't use that.
Have MFJ 971 tuner, but the small ZMx or LDG's would make
a smaller thing to pack. I have one power cord that plugs
into cigarette lighter, and also a small 6 amp power supply
that I can carry. It all fits into a fishing box, along
with two 65 foot wires [antenna/ counterpoise] and the
quick reference card and I am on the way.

Here is web page <http://www.sgcworld.com/2020/>

73 oo,
Chuck AA8VS
MI-QRP #M1212
Firebird PIN #2117
FPQRP-113
TSRAC #3952
QTH Canton, MI

Date: Sat, 05 Aug 2000 11:06:15 -0400
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-l@Lehigh.EDU
Subject: [76640] Fox Log
Message-ID: <398C2D67.23B4@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Most high hounds,

Well here it is..Sorry again but my server was out of order all
last evening and just now back on line.

Gasp Gasp Pant Grunt Wheeze..Ye hounds have really worn me out. I
am not as young and spry as I used to be. Big dawgs, little dogs,
swamp rats, mosquitos, ticks...I been through it all. Even got
caught in a barbwire fence for a spell. Howsomever, I survived it all.

I logged with paper and pen then talked my XYL into helping me type
this up. So if there are any mistakes, it was her. hee hee Hope she
does not see this. I might have to take her out to eat. Don't any of
you tell her either. Just let me know if I(she)put down something
wrong.

0100 AF4PS 579 FL MAC 704
0101 N1TP 579 FL TOM 1317

0102	AJ4Y	559	TX	PAUL	1795	
0102	K0EVZ	559	ND	DOC	871	
0103	N6MM	579	CA	HARVEY	5W	
0104	K5AAR	559	OK	DON	1512	
0105	W7ILW	559	AZ	HOWARD	2010	
0106	NQ7X	559	AZ	FLOYD	343	
0107	VE5RC	559	SK	BRUCE	886	
0108	K0FRP	599	CO	AL	366	
0108	N1FN	559	CO	ET	153	
0109	WJ1R	559	CO	LARRY	2137	
0110	VE7SL	579	BC	STEVE	769	
0112	K9IUA	559	ND	KEVIN	384	
0113	AE9F	589	CA	DAN	5W	
0113	N6WG	559	CA	BOB	26	
0114	AA5UN	599	TX	MARTY	5W	
0115	NK7M	579	AZ	BOB	271	
0115	K6VNX	579	CA	ARLEN	5W	
0116	W5YR	559	TX	GEO	1373	
0117	K7QO	559	AZ	CHUCK	1	
0118	K5ZTY	559	TX	BILL	473	
0119	N5ZE	559	TX	LEW	2178	
0120	KA1DDB	569	MI	MIKE	2064	
0121	VA6RF	559	AB	EARL	1076	
0122	K5DI	579	NM	KARL	2195	
0123	N0UR	579	MN	JIM	799	
0124	KK5LD	559	TX	DAN	2052	
0125	K5TR	559	TX	GEO	5W	
0125	AA7EQ	559	AZ	BOB	2186	
0127	NK6A	579	CA	DON	1517	
0128	WOCH	559	MO	DAVE	618	
0129	W7QQQ	559	AZ	JACK	2210	
0130	K7TK	559	ID	RANDY	102	
0131	VE5VA	559	SK	PETE	46	
0132	N5GLO	569	LA	MIKE	5W	
0133	K5OI	559	NM	TIM	73	
0134	AG0T	599	ND	TODD	2211	
0136	WA7SPY	559	CA	GLENN	2214	
0138	N9AW	559	WI	JERRY	1271	
0139	W2XN	559	FL	FRED	1728	
0140	K1QM	559	MA	JOEL	307	
0142	N5IB	559	LA	JIM	1913	
0143	KA5T	559	TX	LARRY	89	
0146	W9UQB	579	AZ	MIKE	413	
0148	AJ4Y	579	AL	JAY	1372	
0150	KQ5U	559	TX	TERRY	1603	
0152	K1CL	539	MA	CHUCK	217	
0153	KC1FB	559	CT	JIM	29	
0155	KA9TXE	579	IL	TERRY	977	

0158 N0RC 559 CO ROD 1764
0159 W4NJK 559 CA CHARLIE 2075
0204 K5DW 559 TX DON 2083
0206 K2ZN 539 NY AL 1W
0210 WD5CMA 559 LA GLORIA 5W
0215 AD6JY 559 CA DAN 2076
0220 W5YW 559 LA MIKE 5W
0221 K5UP 559 OK GLEN 21
0238 KD7KTF 229 OR LEE 1694
0244 KF2P 559 NY NICK 13
0248 W6ABC 559 CA JACK 2193
0252 WB0HQV 589 MO JIM 2100

Thanks again...

72..Dan(The Fox) Wolfe, N4ROA, in Gate City, Va.

Date: Sat, 5 Aug 2000 11:21:37 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [76641] True Portable HF
Message-ID: <18.8d210d.26bd8b01@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

With all the rigs available, they seem to share the same problem in that the enclosure or case is not travel and field friendly. Sure they all have bells and whistles, low battery drain and lightweight but get a little dirt and moisture or bump them a bit and then what?

It was refreshing to see a rig that is really designed to go on the road (thanks to Jim W7LS for passing on this site):
<http://www.silk.net/paracomm>

ENJOY....Alan KB7MBI

Date: Sat, 05 Aug 2000 10:28:48 -0500
From: Randy & Cara Randall <ccrrandal@seidata.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76642] Re: True Portable HF
Message-ID: <398C32B0.106E5E8E@seidata.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have the pricing on this marvel?

Randy.

ARDUJENSKI@aol.com wrote:

> With all the rigs available, they seem to share the same problem in that the
> enclosure or case is not travel and field friendly. Sure they all have bells
> and whistles, low battery drain and lightweight but get a little dirt and
> moisture or bump them a bit and then what?
>
> It was refreshing to see a rig that is really designed to go on the road
> (thanks to Jim W7LS for passing on this site):
> <http://www.silk.net/paracomm>
>
> ENJOY....Alan KB7MBI

--

"No one gives an oink about prom night or football, 'cause just gettin' home
from school safe is a gamble and a blessing..."--Billion Dollar Babies, Alice
Cooper

Date: Sat, 05 Aug 2000 08:30:29 -0700
From: Russ Dow <n7dw@garlic.com>
To: dsirait@centrin.net.id
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76643] Re: Going ahead formerly were Re: Lew McCoy
Message-ID: <398C3315.C1C83E56@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Donny,

These are qualities every human being should seek.
Thanks for reminding us.

73,
Russ Dow N7DW
Morgan Hill, CA

Donny Sirait wrote:

>
> Ed Hare W1RFI wrote:
>
> > When it is over for each of us, we will have accomplished our life's work.
> > Others will assuredly follow and continue the climb.
>
> True as long as we pass on the real ham values written by Paul M Segal W8EEA
>
> The radio amateur is
> Considerate
> Loyal
> Progressive
> Freindly
> Balanced and
> Patriotic
>
> Very often we are not giving good examples to fresh hams
> being considerate and especially friendly.
>
> Therefore why not let us make this world a better place
> than before.
>
> My humble 73
> de YB1B0D Donny Sirait
> Bekasi Indonesia

Date: Sat, 5 Aug 2000 08:34:51 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76644] Re: True Portable HF
Message-ID: <20000805153451.1738.qmail@web3006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

How about the PRC-38S?

<http://www.geocities.com/aa5tb/38s.html>

: -)

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

Do You Yahoo!?

Kick off your party with Yahoo! Invites.

<http://invites.yahoo.com/>

Date: Sat, 5 Aug 2000 11:42:22 EDT

From: GElam30092@aol.com

To: g4wif@btinternet.com, qrp-1@lehigh.edu

Subject: [76645] Re: N0SS Noise Generator

Message-ID: <60.5b0a47d.26bd8fde@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 8/4/00 11:11:48 PM US Mountain Standard Time,
g4wif@btinternet.com writes:

<< Do the ScQRPions have a website that features this project? >>

Sort of..... Tom Hammond, N0SS, has the schematic and other info from his
web page at <http://home.earthlink.net/~n0ss/download.html>. It's in the "K2
Noise Source for aligning filters, PC board and schematic (160kB) ZIPped"
link.

All of the info there and the info at Elecraft's builder site
(www.elecraft.com) is also included.

Thanks!

Gerry, K7LR0

PHX AZ

Date: Sat, 5 Aug 2000 11:44:19 EDT
From: AA3BP@aol.com
To: qrp-1@lehigh.edu
Subject: [76646] Batteries Indoors
Message-ID: <aa.8d3060f.26bd9053@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

While I've never had any concerns with using the typical gel-cell battery indoors, I'm wondering about the pros and cons of keeping a wet cell marine deep cycle sealed battery in the shack. (It followed me home from the flea market!)

Given that that it is "sealed", should I have the same concerns as with the unsealed ya-gotta-add-water type? Don't want the cat to die from toxic fumes.

What is the general practice and thinking by you seasoned vets out there?

Thanks!!

Jim, AA3BP
Mechanicsburg, PA

Date: Sat, 5 Aug 2000 11:53:29 -0400
From: "Caitlyn M. Martin" <caitlyn@netferrets.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [76647] Re: True Portable HF
Message-ID: <00080511532906.00764@caitlyn.netferrets.net>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hi, everyone,

OK, it's not a kit, it's an expensive commerical transceiver, but...

Isn't the Tokyo Hy-Power HT-750 about perfect for this kind of operating? I think so...

http://www.thp.co.jp/amateur/idx_xcv.htm

(Set your browser for Japanese encoding.)

Oh, and it will be availabe again in September or October per the good folks

at THP, so yes... you can buy one.

73,
Caity
KU4QD
(plugging her favorite ham toy)

--
Caitlyn M ire Martin
caitlyn@netferrets.net
<http://www.caitys-world.com>

Date: Sat, 05 Aug 2000 11:05:09 -0500
From: Glen Reid <k5fx@flash.net>
To: HLeverenz@aol.com, AQR List <AQR@onelist.com>, HQR List <hqr@stevens.com>, QRP-l <qrp-l@lehigh.edu>
Subject: [76648] Re: Polarity Reversal Protection Device
Message-ID: <398C3B35.BC478694@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A further, good suggestion from AC5VF.

A fuse is always a good practice, regardless of any other protection device.

gr

HLeverenz@aol.com wrote:

>
> Hello Glen
>
> If you are going to use one of these I would suggest an addition. Make sure
> there is a fuse between the Transorb and the power source. This way if you
> have a high current source, like a battery perhaps, then the fuse will blow
> if you hook it up backwards and you will have effected the protection you
> desire. If you don't have a fuse then the destruction is only delayed until
> the diode burns up. The 600 Watt spec is mostly for high voltage surges like
> you might find in a car electrical system that don't last very long.
>
> Howard AC5VF

--
GLEN REID
...in the beautiful hill country of TEXAS...

Email: k5fx@arrl.net

"The difference between genius and stupidity is that genius has its limits"

Date: Sat, 05 Aug 2000 14:56:57 +0000
From: "Walter D. Amos" <waltk8cv@surf.free.com>
To: qrp-l@lehigh.edu
Subject: [76649] [Fwd: Which travel-friendly transceiver?]
Message-ID: <398C2B39.E3DA6F07@surf.free.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

and low and behold there is a used on at

<http://www.universal-radio.com>

under used equipment!

Walt K8CV

Charles Mabbott wrote:

>
> Surprised no one mentioned a non-kit radio, so here
> goes.
>
> I would give my highest recommendation to SGC's SG 2020.
> 4.5 lbs. 160 to 10 meter CW, SSB, with full range receive.
> Small key, paddles, plug very nicely in with 1/8" plug.
> Has plug for speaker/ headphones, but don't use that.
> Have MFJ 971 tuner, but the small ZMx or LDG's would make
> a smaller thing to pack. I have one power cord that plugs
> into cigarette lighter, and also a small 6 amp power supply
> that I can carry. It all fits into a fishing box, along
> with two 65 foot wires [antenna/ counterpoise] and the
> quick reference card and I am on the way.
>
> Here is web page <http://www.sgcworld.com/2020/>
>
> 73 oo,
> Chuck AA8VS
> MI-QRP #M1212
> Firebird PIN #2117
> FPQRP-113

> TSRAC #3952
> QTH Canton, MI

Date: Sat, 5 Aug 2000 12:02:19 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Subject: [76650] Re: Direct Conversion Receivers
Message-ID: <019701bfffef6\$8c95ca20\$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

VE7LDH said, "One design to look for is W7EL's Optimized receiver -
reprinted in QRP Classics (out of print)..."

Before anyone goes crazy looking for this, or posts a message questioning
her sanity, I need to make a slight correction to that: the W7EL article was
reprinted in the SECOND PRINTING of QRP Classics. It was not in the first
printing, which seemed a bit odd to me, being one of the true "QRP classics"
of all time. I voiced my opinion about that, and there must have been others
who did the same since it was added, without fanfare, to the second edition.

The article can also be found in the August 1980 issue of QST. (Actually,
the title was An Optimized QRP Transceiver, not ...QRP Receiver.)

73 and queue our pea DE WA8MCQ

Date: 5 Aug 00 11:24:40 EST
From: M Goins <mgoins@usa.net>
To: qrp-1@LeHigh.EDU
Subject: [76651] for sale
Message-ID: <20000805162440.9326.qmail@aw164.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I still have the following equipment for sale (prices reduced):

1. Kenwood TS-140 - includes original MS-43 up/down mike, original mobile =
mount, dual fused power cord, factory manual. Full QSK or semi, 31 =

memories, digital readout. General coverage receiver tunes 50kHz to 35 =
=

MHz. About an 8 on a 1-10 scale, primarily due to some small paint wear =
around the mike and rf gain slide switches (from use) and some small =
scratches and minor scuffing. Looks and works good. Will dial down to =
qrp
levels, make a good first rig, back-up rig, or mobile. \$400.00 CONUS

2. U.S. Tower, 55', crank-up, tilt-over. This is the deluxe model that =
=

tilts and cranks up. Rotor mounts at ground level. Complete. Needs new =
cable. Round type tower. Handles 10 square feet of antenna FREE STA=
NDING

- NO GUYS NEEDED. Cost new is nearly 2K. Good condition. \$700.00. P=
ick
up greater Houston area only.

3. MFJ Artificial ground (MFJ 931) - Looks new. \$45.00 CONUS

4. LDG Digital SWR/Wattmeter - outstanding digital wattmeter, as new, =
=

built by electrical engineer. Includes couplers for QRP/HF, 6 meters, 2
meters, and 70 CM. Power rating is 150 watts - accurate to 1 watt or =
=

less. really nice digital meter. Cost \$175 in kit form with 4 modules. =
See
at www.ldgelectronics.com \$125.00 CONUS

Please contact me off list at mgoins@usa.net if there are any questions=
=2E =

All gear is simply surplus to my current needs and I'm adding a K2 to =
=

the station.

mike
wb5yjx
SOC 54

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sat, 05 Aug 2000 09:20:01 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: qrp-l@LeHigh.edu
Subject: [76652] Bee: A Sierra in the Sierra
Message-ID: <4.3.2.7.0.20000805091333.02f94c28@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

A non-ham friend proposed a last minute backpack trip in California's Sierra Nevada, so I ended up operating my Wilderness Radio Sierra from its namesake range for the first time. The contest fell on the 4th day of the six day trip, and the operating site was spectacular- near Paris Lake in the Mount Humphreys region, at 11,200 feet (DM07pg). I used a ZM-2 and 66 feet of wire, end fed, and a 33 foot counterpoise. The antenna was up about 20 feet on the timberline whitebark pines.

I worked 20 stations- far below last year's total- as conditions on 20 and 15 were rough. Signals were right in the noise. 40 was strong but everyone worked was "local", of course.

My nonham friend was very supportive of the whole op- in fact Doug made me take the Sierra instead of the DSW40, and took numerous pictures of the operation. We had a great time on the trip.

72
Bruce N7CEE

Date: Sat, 5 Aug 2000 12:42:26 EDT
From: NB6M@aol.com
To: wa8mcq@erols.com
Cc: qrp-l@lehigh.edu
Subject: [76653] Re: Direct Conversion Receivers
Message-ID: <cb.839e60c.26bd9df2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Roy Lewallen's "Optimized QRP Rig" was also re-published on page 30-37 of the 1994 ARRL Handbook. Not sure, but it might have been in the 1993 handbook as well.

By the way, for those of you in the Bay Area, the Contra Cost County Library system has, thanks to the donation by the Mount Diablo Amateur Radio Club, the CDs of the complete QST magazine articles from 1950 through 1997 available for checkout.

What a great idea for a donation from a radio club.

72

Wayne NB6M

Date: Sat, 05 Aug 2000 10:51:32 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <leehop@uswest.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [76654] [Operating]Hearing weak sigs thru the noise
Message-ID: <B5B1A234.1F4E%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Lee - Here are some tips for listening and decoding weak signals:

1. Use headphones. This helps immensely. Having the signal close to your ears and shutting out room noise helps a lot. Everybody has their favorite headphones. If you don't operate for long stretches at a time the type that cover the ear completely are best, I have a pair of old Koss PRO-4as that work well. They aren't cheap. For longer operating periods an on the ear type is more comfortable. Sennheiser makes some really good ones that are hard to beat. They aren't cheap either. The Walkman/portable CD player headphones are also OK and can be bought reasonably at your local Target, K-Mart, or Walmart. For lightweight uses, like backpacking, I use the ear bud types. I use Sony.
2. Turn off the AGC. Depending on how the threshold is set, the noise can be artificially raised by the AGC. Also, other strong signals or impulse noise can cause the AGC to reduce gain and your signal. Along with turning off the AGC you can turn down the RF gain and turn the AF gain up. This helps sometimes.
3. Use a narrow filter. If you already have CW filters installed in the IF you may wish to go to a very narrow audio filter. I find a 100 Hz filter often helps me copy a station that is barely readable at 500 Hz bandwidth.
4. Make sure that electrical devices which can cause interference are turned off. I usually turn the thermostat down during the winter fox hunts as the furnace blower can cause a low, but bothersome noise. This obviously

depends on how cold the night is and how ham friendly your family is.

5. Experiment with DSP. Some noise reduction algorithms implemented in DSP technology are very useful in reducing noise and making a barely readable signal copiable. They all produce some artifacts, and the result is not like copying off the air. Some people find it objectionable, and some don't. You may wish to borrow a DSP to see if you like it and think it helps.

7. Raise the antenna to get it away from local noise sources.

Maybe some of our friends on the list who work EME (Jim??) can help with other suggestions.

Recall that there is a limit to the strength of a signal you can copy. Good CW ops with some experience can copy CW signals several dB below the noise, and signals at the same level as the noise are copied by almost everybody who has even a little experience in CW. I hope that you find this information useful.

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 5 Aug 2000 10:00:17 -0700 (PDT)
From: Duane Alles <w9zm@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [76655] How to pack mobile antenna
Message-ID: <20000805170017.26407.qmail@web515.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello All,

I'm going to fly to the East Coast and want to take my mobile rig. I use Valor Pro Am antenna's that break in half. (ham stick look alike) I'll need a hard case of some kind. Any Ideas??

Thanks in advance

72/73
Duane, W9ZM

Do You Yahoo!?

Kick off your party with Yahoo! Invites.
<http://invites.yahoo.com/>

Date: Sat, 5 Aug 2000 10:14:14 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'w9zm@yahoo.com'" <w9zm@yahoo.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76656] RE: How to pack mobile antenna
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBCB1@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

You might look at sports type (golf?) cases for something long like an antenna. Pelican makes a number of heavy-duty plastic cases, perhaps there is a long one for antennas? A sporting goods or shooting supply should have, or could point you to some rifle cases.

72
Jay
W6CJ

-----Original Message-----
From: Duane Alles [mailto:w9zm@yahoo.com]
Sent: Saturday, August 05, 2000 10:00 AM
To: Low Power Amateur Radio Discussion
Subject: How to pack mobile antenna

Hello All,

I'm going to fly to the East Coast and want to take my mobile rig. I use Valor Pro Am antenna's that break in half. (ham stick look alike) I'll need a hard case of some kind. Any Ideas??

Thanks in advance

72/73
Duane, W9ZM

Do You Yahoo!?
Kick off your party with Yahoo! Invites.
<http://invites.yahoo.com/>

Date: Sat, 5 Aug 2000 13:33:21 EDT
From: WB3LGC@aol.com
To: qrp-1@lehigh.edu
Subject: [76657] DELAWARE --- ARCI Summer Daze SSB Sprint
Message-ID: <72.1d7080a.26bda9e1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Who: WB3LGC, 59 -- DE -- 10450 (Steve running 9.8watts)
When: 2000 to 2400Z Aug 6, 2000
Where: Wilmington, DE
On: 14285 +/- and 21385 +/-
With: 20m half square (one lobe to the WNW - covering USA/Alaska)
Using: K2 #985

Hope this may help those looking for Delaware.

72, Steve

Date: Sat, 5 Aug 2000 10:31:31 -0700
From: "W7TRX" <w7trx@mindspring.com>
To: <ARDUJENSKI@aol.com>, <qrp-1@Lehigh.EDU>
Subject: [76658] Re: True Portable HF
Message-ID: <006801bffff02\$ffbda7a0\$4a2579a5@fkxug>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here are some links I have found for some cool portable rigs. Several are geared for emergency or rough use communications. I had links to about 3 other sites that now seem to be defunct. Too bad. I've always been intrigued by this kind of gear.

<http://www.qmac.com/> Q-mac HF-90 radio

<http://www.olbis.com.au/Comms-99/Land%20Comms/HF%20Radio/Barrett/sb910ant.htm>
(Barrett SB940 HF Transceiver \$\$\$???)

<http://www.jja-instruments.com/radio.html> (very interesting Bobcat Portable. Bullet proof?)

<http://www.elecrafter.com/> K-1 and K-2 (I want both)

<http://www.sgcworld.com/2020/index.htm> SGC SG-2020

<http://www.silk.net/paracomm/> PCX-250 Portable SSB HF Transceiver from
ParaComm Technologies

73, TR
W7TRX

----- Original Message -----

From: <ARDUJENSKI@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, August 05, 2000 8:21 AM
Subject: True Portable HF

> With all the rigs available, they seem to share the same problem in that
the
> enclosure or case is not travel and field friendly. Sure they all have
bells
> and whistles, low battery drain and lightweight but get a little dirt and
> moisture or bump them a bit and then what?

Date: Sat, 05 Aug 2000 11:35:42 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <AA3BP@aol.com>, qrp-1 <qrp-1@lehigh.edu>
Subject: [76659] [Pwr] Batteries Indoors
Message-ID: <B5B1AC8D.1F54%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jim - I use a deep cycle battery to power my station. I keep the battery in
a plastic case available for that purpose and it will contain any spills.
The cases are available at Sears and other suppliers of batteries.

Before that I used to keep the battery in a garbage sack.

Either way works. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 5 Aug 2000 10:35:30 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'AA3BP@aol.com'" <AA3BP@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76660] RE: Batteries Indoors
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBCB4@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

I'd still want to provide ventilation for a sealed or gel battery.
I would assume that the battery will outgas hydrogen, oxygen.
I know of a backup radio gel battery and charger in a city 911 center which failed and gave off hydrogen sulfide (rotten egg stench). The fire dispatchers nearly mutinied. "Sealed" batteries do have small vents for this purpose, but when the outgassing exceeds the capability of the vents, it is impressive to see the sides of the battery inflate!
If you have large indoor batteries, put them inside RV or marine-type battery boxes and get some air ventilation in the area.

72

Jay

W6CJ

-----Original Message-----

From: AA3BP@aol.com [mailto:AA3BP@aol.com]
Sent: Saturday, August 05, 2000 8:44 AM
To: Low Power Amateur Radio Discussion
Subject: Batteries Indoors

While I've never had any concerns with using the typical gel-cell battery indoors, I'm wondering about the pros and cons of keeping a wet cell marine deep cycle sealed battery in the shack. (It followed me home from the flea market!)

Given that that it is "sealed", should I have the same concerns as with the unsealed ya-gotta-add-water type? Don't want the cat to die from toxic fumes.

What is the general practice and thinking by you seasoned vets out there?

Thanks!!

Jim, AA3BP
Mechanicsburg, PA

Date: Sat, 5 Aug 2000 13:45:26 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: qrp-1@Lehigh.EDU
Subject: [76661] PNP Blue PCB film
Message-ID:
<Pine.LNX.4.20.0008051328310.3335-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I etched three pcboards this afternoon. I used the PnP blue film from Techniks Inc. I have to say that this is the best method of all that I have used. The results are professional quality.

I prepared the pc board with a scotch brite pad followed by a degreaser used before automotive painting. (bug and tar remover). I then used a dry cloth (old, clean :) t-shirt). I set my clothes iron 3/4 of the way between medium and Hot. (near hot). I preheated the pcb with the iron. Then I set the film (dull side down) and pressed it onto the board. Next I cooled down the board under cold water and peeled away the film. Nice sharp images were left on the board. Double sided boards.. no problem....

My thanks to Steve a.k.a. "melt solder" for the heads up on this product.

BTW the images were made with both a copier and laser printer. The HP 1200dpi printer (2100TN) is wonderful for sharp traces. The images copies from a book and those from the printer came out excellent. The PnP blue film comes in standard sheet size. I recommend making doubles of boards and filling up the sheet to minimize waste. Just in case you forget to clean off your finger prints or skimped on the board preparation...

See the following for info:
<http://www.techniks.com/>

73 and "etch copper",

Jim n2go

Date: Sat, 5 Aug 2000 13:47:19 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: qrp-1@Lehigh.EDU
Subject: [76662] 2n40 pcb layout?
Message-ID:
<Pine.LNX.4.20.0008051345360.3335-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone made a pcb layout for the 2n40 tranceiver which was done
manhattan style?

73,

Jim n2go

Date: Sat, 05 Aug 2000 14:04:02 -0400
From: Pete Burbank <plburbank@kih.net>
To: leehop@uswest.net, <qrp-1@lehigh.EDU>
Subject: [76663] Re: Hearing weak sigs thru the noise
Message-ID: <3.0.32.20000805140358.0068589c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:12 AM 8/5/00 -0700, you wrote:

>The short version: how do the more experienced ops hear weak sigs thru
>the noise?

This is an interesting discussion. Everything James Duffy says is
true.

My 2 cents...

I use surplus Electro-Voice head phones...H-251/U designed for CW.
For hunting the Smites on 80 meters I discovered that the notch
filter in my ol' nasty T-T Argosy gets rid of the static crashes.
IMHO a Smite on 80 in the summer is about as low a signal as you will
find.

The key is of course a decent antenna...some horizontal and
some vertical and a switch to select the one that works
best.

73 Pete NV4V

Date: Sat, 5 Aug 2000 12:59:59 -0500 (CDT)
From: ac5ez@webtv.net (K1zw)
To: qrp-1@lehigh.edu
Subject: [76664] Re: Batteries Indoors
Message-ID: <24677-398C561F-885@storefull-118.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Have had a big sealed marine battery under the desk for a year and the
cats dont seem to mind it at all.
K1zw

Date: Sat, 05 Aug 2000 14:14:14 -0400
From: Tom M <tjmc@erols.com>
To: ac5ez@webtv.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [76665] Re: Batteries Indoors
Message-ID: <398C5976.72A01E18@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Have had a big sealed marine battery under the desk for a year and the

Prob best I've seen is the batteries mounted in a plastic ice cooler...
small hole cut for venting and cables. No worry abt leakage or acidently
hitting the terminals.

Tom aa2vk

--

* Member of NorCal, NJQRP, SGCI *
* *
* Personal web page : WWW.EROLS.COM/TJMC *

Date: Sat, 5 Aug 2000 14:27:33 -0400 (EDT)

From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: Duane Alles <w9zm@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76666] Re: How to pack mobile antenna
Message-ID: <Pine.BSI.4.05L.10008051426190.28522-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 5 Aug 2000, Duane Alles wrote:

> Hello All,
>
> I'm going to fly to the East Coast and want to take my
> mobile rig. I use Valor Pro Am antenna's that break in
> half. (ham stick look alike) I'll need a hard case of
> some kind. Any Ideas??

Check a fishing tackle shop...they should stock some fiberglass tubes that
have removeable end caps...not sure of the dimensions, but it's worth a
phone call.

../..
baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster

<http://www.baltimoremd.com/> Baltimore's Home Page
<http://www.baltimorehon.com> Home of the Baltimore Lexicon
<http://www.min.net/~thom/> QRP and Drake Mail List Pages

Date: Sat, 5 Aug 2000 14:26:51 EDT
From: NB6M@aol.com
To: baltimoremd@baltimoremd.com
Cc: qrp-1@lehigh.edu
Subject: [76667] Re: How to pack mobile antenna
Message-ID: <13.90a219d.26bdb66b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

One of the cheapest and easiest available solutions is a section of PVC pipe
with two end caps.

72

Wayne NB6M

Date: Sat, 5 Aug 2000 12:30:44 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [76668] Argonaut Power Increase
Message-ID: <Pine.LNX.4.10.10008051218570.738-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi QRPers

I want to change my Argonaut 509 so it puts out 5 watts instead of 2. Jim, K8IQY suggested I use the 2SC1945 TO-220 transistor. This looked like trouble until I removed the bottom cover and looked at the actual final configuration. It looks like I can easily unsolder the current transistors and solder just 3 wires that stick out so I can attach them to the 3 pins of the new transistors. Six wires later and a couple of new holes in the "L" shaped heat sink and it will be done. I'll need to change the value of the bias resistors but must do that with an amp meter on the collector current.

I am waiting for some answers from the experts at www.rfpart.com so it will be a week or more before I get this all done. The Internet is sure a help when designing this kind of thing. I will buy \$12.00 worth of transistors and some heat grease.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 05 Aug 2000 14:33:28 -0400
From: david fouchey <dafouchey@home.com>
To: tjmc@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [76669] Re: Batteries Indoors
Message-ID: <398C5DF8.21F9815C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll second that setup, second advantage is that the cooler gives you a nice solid handle to carry the thing with too. We use them at work for a system called a "cooler Box Radio" Mount a Motorola GM300 or similar VHF radio, battery and antenna for use as an emergency or temporary base station out along the Railroad. Works great and makes for a neat simple

installation.

Dave
WA4EMR/8

Tom M wrote:

>
> > Have had a big sealed marine battery under the desk for a year and the
>
> Prob best I've seen is the batteries mounted in a plastic ice cooler...
> small hole cut for venting and cables. No worry abt leakage or acidently
> hitting the terminals.

>
> Tom aa2vk

>
> --

> *****
> * Member of NorCal, NJQRP, SGCI *
> * *
> * Personal web page : WWW.EROLS.COM/TJMC *
> *****

Date: Sat, 5 Aug 2000 12:07:35 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [76670] QRP Plus for sale
Message-ID: <20000805190735.13533.qmail@web108.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I need to sell my QRP Plus. Good little multiband rig. I'd like \$400
for it. The only quirk that it has is that you have to hold the memory
button down when you turn it on so the memories load. Other than that
it works great!

Jeff

=====
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798
Voicemail/Fax 1-888-Excite2 ext 925-439-2514
ICQ 62450117

Do You Yahoo!?
Kick off your party with Yahoo! Invites.
<http://invites.yahoo.com/>

Date: Sat, 5 Aug 2000 15:58:28 EDT
From: DYARNES@aol.com
To: qrp-1@lehigh.edu
Subject: [76671] Re: How to Pack a Mobile Antenna
Message-ID: <b9.59cb48d.26bdcbe4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I use a fly rod case. There are several out there, and I have two types. One is an inexpensive hard plastic (or maybe nylon) case with a screw top. My hamsticks fit in there fine, but more importantly my Outbacker (Perth model) fits in there just fine also. That way I have an "all band" antenna in a case.

The other case is a little fancier, and I got it at Costco a couple of years back. It has a flip over top that zips. It's a little bigger diameter, but about the same length as the first one described above.

Either of these cases fit in any airplane overhead bin that I've seen (except, of course, the smaller bin that most airplanes have at certain points).

If you get a bigger one like #2 above, you can squeeze quite abit of coax (RG58) in the case as well. Lots of other stuff can be put in there too, but you don't want too much rattling around.

One year I took my Outbacker to Pacificon (with a triple mag mount in my suitcase) to use on my rental car. I came back with the Outbacker, plus one of WA6GER's St. Louis verticals, both in the case. I ended up sitting next to Roger Maltbie, the pro golfer turned announcer, and when we got off the plane in Phoenix, he said "Boy, it must have been one helluva presentation!" I guess he thought I had some serious business stuff in the case! Hi.

I don't remember how much either one of these costs, but I think the cheaper one was \$15 or so. The better one probably twice that or more.

Dave W7AQK

Date: Sat, 5 Aug 2000 15:54:24 -0000

From: "Christian Castillo" <chcastillo@planetarymotion.net>
To: <qrp-1@Lehigh.EDU>
Subject: [76672] Future ham from Venezuela.
Message-ID: <NDBBJNGFBLBMEKLAGMDIAEEHCBA.chcastillo@planetarymotion.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello worldwide QRPs. I'm studying for my test in October.

By now, please write me about QRP and how can I build a home made CW and SSB radio.

For years I have been interested in the energy conservation. For this reason I think the QRP is a nice way to talk with other hams and a challenge in communications worldwide.

I have an used HF radio, but some electronical pieces are damaged and it's only possible to transmit until 5 watts in SSB mode. My interest is doing QRP transmissions with the least power as possible.

Do you think it's possible to work with inverted "V" antennas or it's absolutely necessary to use giants yagi antennas.

73 from Maracaibo - Venezuela.

Christian Castillo.

Date: Sat, 5 Aug 2000 14:18:54 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [76673] FOX: Big Dawgs Overtaken!
Message-ID: <398C224E.1466.DAE4AA@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

....but not passed, yet. In hunt 9 the Swapm Ratzes missed a Q, but the Dawgs missed TWO, resulting in a TIED BALLGAME at 40 points each.

Those that are paying attention will recall that the Dawgs had to come from behind to take the lead, and I'm confident we can do it again, despite one Dawg being off in Alaska paying more attention to Grizzlies than to foxes.

.
Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Sat, 5 Aug 2000 13:18:25 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'chcastillo@planetarymotion.net'" <chcastillo@planetarymotion.net>, Low Power
Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [76674] RE: Future ham from Venezuela.
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBCB8@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Christian and the List;

You do not need a large, expensive yagi antenna to make contacts on the HF bands using 5 watts or less. Many amateurs have done a good job using only a simple V or dipole antenna with coax feed, or, a long wire antenna and antenna tuner. I have made contacts with a few watts and random-length wire antennas hidden in trees or on rooftops.

Building or designing a new transceiver is quite a project-

If this is your first time building, you might build a CW transceiver from a kit, book or magazine project. CW transceivers have a smaller amount of parts and are simpler to build and align.

Some of the list users may be able to give you the www addresses for kit manufacturers.

If your transceiver is otherwise in good condition, put up a few wire antennas and try QRP.

73,
Jay
W6CJ

-----Original Message-----

From: Christian Castillo [mailto:chcastillo@planetarymotion.net]
Sent: Saturday, August 05, 2000 8:54 AM
To: Low Power Amateur Radio Discussion
Subject: Future ham from Venezuela.
Importance: High

Hello worldwide QRPs. I'm studying for my test in October.

By now, please write me about QRP and how can I build a home made CW and

SSB
radio.

For years I have been interested in the energy conservation. For this reason
I think the QRP is a nice way to talk with other hams and a challenge in communications worldwide.

I have an used HF radio, but some electronical pieces are damaged and it's
only possible to transmit until 5 watts in SSB mode. My interest is doing
QRP transmissions with the least power as possible.

Do you think it's possible to work with inverted "V" antennas or it's absolutely necessary to use giants yagi antennas.

73 from Maracaibo - Venezuela.

Christian Castillo.

Date: Sat, 5 Aug 2000 15:05:24 -0600
From: zmola@campbellsci.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, ALaurent@npr.org
Subject: [76675] RE: CW speed and plateaus
Message-ID: <200008051454.0AA00637@demeter.campbellsci.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Arthur Laurent <ALaurent@npr.org> wrote:
> <...I've always seen the 10 wpm hump as a translation stumble, where the
> person is still trying to go from ear to head to hand... instead of an
> automatic ear to hand...

I have ear to hand down pat, but it bypasses the brain completely.
I'm now trying to get my "head copy" down. I can copy 15-18wpm if I ignore what is coming in and just write, but 8-10 wpm if I am just head copying.

Are there any suggestions other than "more QSO's"?

Carl
AC7BB

Carl

zmola@campbellsci.com

Date: Sat, 5 Aug 2000 17:04:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [76676] Re: CW speed and plateaus
Message-ID: <006301bfff20\$ce9d12a0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd just like to thank everyone for the discussion on this topic.

I asked this back a few months ago, and all I got was flames about the license change. But my request was quite serious, and I see that certain people have let it alone this time, and some serious meat has come out of the discusison. Some here on the forum, and about 12-15 private emails.

Bottom line seems to be the plateaus are real. But I still seem to get the feel that it's undecided if the plateau levels are fixed, or were due to people pushing to hit the previous administrative performance levels. Perhaps there will always be plateaus whenever you try to stretch your capabilities too far into the next level. With the 'level' being what some people have refered to as the methodology used to do it. Like when you change from bit-counting to character recognition. Or when you advance your character recognition from individual mental 'lookups' to 'background' pattern recognition of the whole character kind of thing.

Mike

Date: Sat, 05 Aug 2000 14:32:03 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu, elecrafft@qth.net, azqrp@extremezone.com
Subject: [76677] BUBBA 2000
Message-ID: <200008052126.0AA20024@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

CONTEST ANNOUNCEMENT....BUBBA 2000 will be held on Saturday, August 26, 2000 from 1800Z-2200Z.

Finally, we are publishing the rules for BUBBA 2000. As you know, this contest is a sprint, wherein operators are rewarded for operating in hot conditions (to a point, no sense being really dumb about it) with multipliers.

The official rules are at
<<http://www.extremezone.com/~nk7m/bubba00.htm>><http://www.extremezone.com/~nk7m/bubba00.htm>

Included in the rules are the heat index charts for both dew point and humidity. Use the adjusted temperature for your area, based on either dew point or humidity, whichever is best.

Usual warning: operating in extreme temperatures can be hazardous to your health, and to your equipment. Take plenty of liquids, take breaks when needed, and don't overextend yourself or overestimate your tolerance for heat. This is supposed to be a FUN contest, not an endurance contest. Notwithstanding the fact that we here in the Southwest are a bit more used to extreme temperatures, lots of water and shade is the rule for us.....the temp differential between full sun and shaded heat is not enough to make it to the next plateau on the chart. BE SAFE!

Please direct your questions, if any, to Kent Torell at P12255@email.mot.com.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Sat, 05 Aug 2000 14:34:11 -0700
From: Bob Hightower <nk7m@extremezone.com>

To: qrp-1@lehigh.edu, elecrafft@qth.net, azqrp@extremezone.com
Subject: [76678] BUBBA 2000
Message-ID: <200008052128.0AA20384@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looks like this didn't come out right the first time....second try.

CONTEST ANNOUNCEMENT....BUBBA 2000 will be held on Saturday, August 26, 2000
from 1800Z-2200Z.

Finally, we are publishing the rules for BUBBA 2000. As you know, this contest
is a sprint, wherein operators are rewarded for operating in hot conditions
(to
a point, no sense being really dumb about it) with multipliers.

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humidity. Use the adjusted temperature for your area, based on either dew
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or humidity, whichever is best.

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needed,
and don't overextend yourself or overestimate your tolerance for heat. This is
supposed to be a FUN contest, not an endurance contest. Not withstanding the
fact that we here in the Southwest are a bit more used to extreme
temperatures,
lots of water and shade is the rule for us....the temp differential between
full sun and shaded heat is not enough to make it to the next plateau on the
chart. BE SAFE!

Please direct your questions, if any, to Kent Torell at P12255@email.mot.com.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Sat, 5 Aug 2000 16:31:14 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: <psk31@bipt106.bi.ehu.es>
Subject: [76679] PC based Oscilloscope, Spectrum Analyzer and Waterfall
Message-ID: <023201bfff24\$7c7f8260\$045986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those who might be interested, there is a shareware PC based audio oscilloscope, spectrum analyzer with a waterfall combo at the web site below. Actually there's two versions. One for Windows 3x and one for Windows 95.

No connection, just thought it might be of interest some.
Pretty cool on a P166.

<http://www.fineware-swl.com/sac.html#SAC32A>

Date: Sat, 5 Aug 2000 14:46:09 -0700
From: "Robert Farnworth" <farnworth@citylinq.com>
To: <qrp-l@Lehigh.EDU>
Subject: [76680] Stan Yarema, K7SY
Message-ID: <000901bfff26\$91e35c60\$3a61e5cf@farnworth>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Stan is in the hospital recovering from surgery. He is at: U of Washington Medical Center, Rm. 4246, 1959 NE Pacific St., Seattle, 98195. I think he would enjoy a get-better card.
Thanks, Bob, W7CD

Date: Sat, 5 Aug 2000 18:09:50 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <nk7m@extremezone.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [76681] Re: BUBBA 2000
Message-ID: <005201bfff29\$e0c349a0\$9cd24dd8@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Bob Hightower" <nk7m@extremezone.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, August 05, 2000 5:32 PM
Subject: BUBBA 2000

> CONTEST ANNOUNCEMENT....BUBBA 2000 will be held on Saturday, August 26,
2000
> from 1800Z-2200Z.
>
> fact that we here in the Southwest are a bit more used to extreme
> temperatures,

Yeah, but it's a D R Y H E A T .
de (Scott) W4PJ Ft. Lauderdale, FL (93 in the shade 88% Humidity)

Date: Sat, 05 Aug 2000 15:43:45 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu, elecrafft@qth.net
Subject: [76682] N0SS Noise Generator - Overseas orders
Message-ID: <200008052238.PAA02791@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We have had inquiries about shipping this kit overseas. If you are outside CONUS, please include an additional \$2.00 to help pay for the additional postage.

Bob Hightower NK7M
Chandler, AZ
SOC #20

K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Sat, 5 Aug 2000 16:47:33 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: NB6M@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [76683] Re: How to pack mobile antenna
Message-ID: <Pine.LNX.4.10.10008051647040.928-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I second this idea. It's the right way to do it.

On Sat, 5 Aug 2000 NB6M@aol.com wrote:

> One of the cheapest and easiest available solutions is a section of PVC pipe
> with two end caps.
>
> 72
>
> Wayne NB6M
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 5 Aug 2000 18:49:25 EDT
From: Sachsarch@aol.com
To: k5di@zianet.com, qrp-1@lehigh.edu
Subject: [76684] Re: How to pack mobile antenna
Message-ID: <3a.8add3fd.26bdf3f5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have used a fishing rod case (K-Mart), a high impact carpenter's level case (Home Depot) or a plastic drawing tube (art supply). Be careful about length and overhead compartment dimensions. Pack well with foam rubber in case they make you check the tube with luggage.

Marv, K2IPH

End of QRP-L Digest 1904

